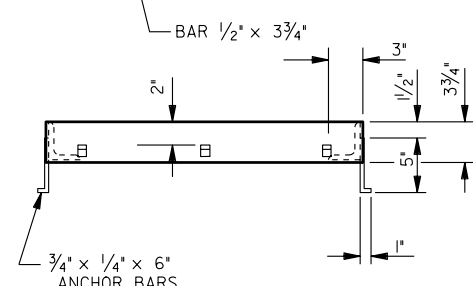
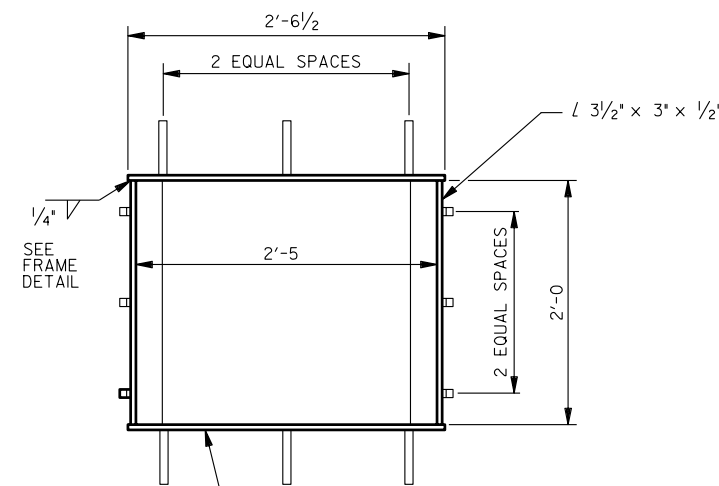
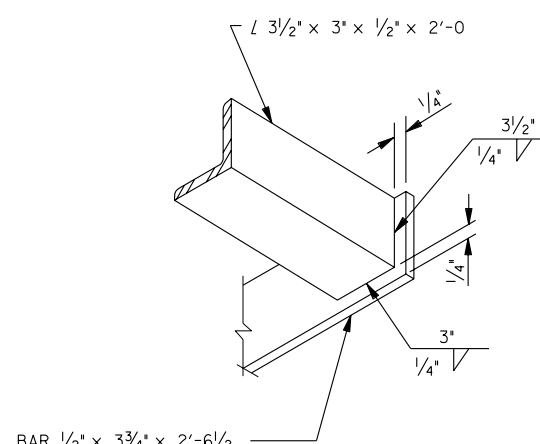


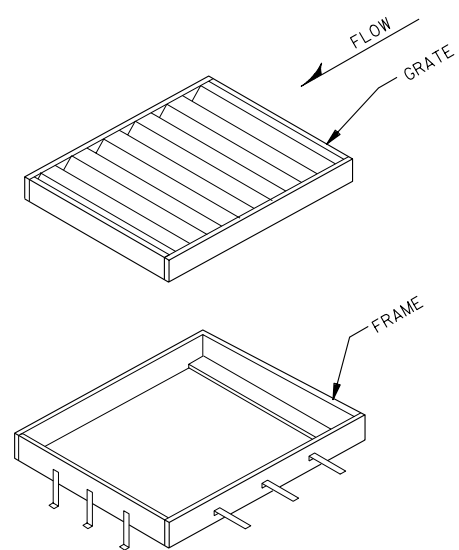
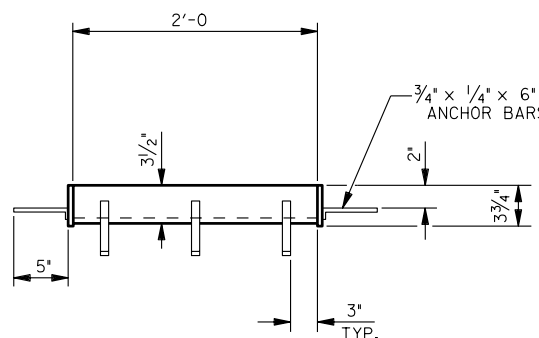
GRATE
GRATE WEIGHT = 410 LBS.



FRAME
FRAME WEIGHT = 77 LBS.



FRAME DETAIL



- NOTES:**
1. HOT-DIP GALVANIZE GRATING AND FRAME AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111.
 2. USE STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270, GRADE 36 FOR STRUCTURAL STEEL GRATING.
 3. SEE ROADWAY PLANS FOR LOCATION AND NUMBER OF GRATES REQUIRED.
 4. WELD ALL JOINTS WITH A 1/4" FILLET WELD UNLESS NOTED OTHERWISE.
 5. ORIENT GRATE WITH DIRECTION OF FLOW.

DESIGN DATA
GRATE AND FRAME: MEET HS 20-44 LOADING OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH AASHTO SPECIFICATIONS WHICH ARE IN EFFECT AT DATE OF REQUEST FOR BIDS.
STRUCTURAL STEEL: F_s=24,000psi

REVISIONS				REMARKS			
NO.	DATE	APPR.		NO.	DATE	APPR.	

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL	JULY 03, 2002	DATE
CHAIRMAN STANDARDS COMMITTEE		
APPROVED	JULY 03, 2002	DATE
DEPUTY DIRECTOR		

28" x 24"
DIRECTIONAL FLOW
GRATE AND FRAME

STANDARD DRAWING TITLE